



The 5th North American Industrial Engineering and Operations Management Conference

Detroit, Michigan, USA, August 9-11, 2020

Hybrid Mode: Virtual/Online and Onsite (Fully Virtual based on COVID-19 Situation)

Website: <http://www.ieomsociety.org/detroit2020/>

IEOM Society International is organizing the 5th North American Industrial Engineering and Operations Management Conference in Detroit, Michigan, USA during August 11-13, 2020. Conference is planned with hybrid mode (virtual + Onsite) due to current COVID-19 global outbreak. Based on the situation, it could be fully online. IEOM has become a premier international platform and forum for academics, researchers, scientists and practitioners to exchange ideas and provide insights into the latest developments and advancements in the fields of Industrial Engineering and Operations Management. IEOM has successfully organized previous international conferences in Dhaka (2010), Kuala Lumpur (2011), Istanbul (2012), Bali (2014), Dubai (2015), Orlando (2015), Kuala Lumpur (2016), Detroit (2016), Rabat (2017), Bogota (2017), Bandung (2018), Paris (2018), Washington DC (2018), Pretoria (2018), Bangkok (2019), Toronto (2019), Riyadh (2019), and Dubai (2020).

Some the events and activities that are planned include: keynote speakers, global engineering education, Industry 4.0, industry solutions, women in industry and academia, undergraduate student paper competition sponsored by Siemens, graduate student paper competition sponsored by Eaton, Doctoral Dissertation Competition, Masters Thesis Competition, Simulation competition, senior design project competition, undergraduate research competition, high school STEM competition, undergraduate and graduate poster competition, panel sessions, and awards.

*Authors can submit full paper(s) or abstract(s) only. IEOM Society encourages to submit full paper(s). All full papers will be subjected to double peer review. Accepted papers will be published in Proceedings and **indexed by Scopus**.*

Tracks: Topics covering industrial issues/applications and academic research include, but are not limited to:

Artificial Intelligence
Automation and Control
Business Management
Case Studies
Computers and Computing
Construction Management
Data Analytics and Big Data
Decision Sciences
Defense Management Science
Design and Analysis
E-Business and E-Commerce
Energy
Engineering Economy
Engineering Education
Engineering Management
Entrepreneurship and Innovation
Facilities Planning and Management
Financial Engineering
Healthcare Systems
Human Factors and Ergonomics
Industrial Management
Information Technology/Information Systems
Inventory Management
Lean and Six Sigma

Logistics Management
Material Flow Cost Accounting (MFCA)
Modeling and Simulation
Occupational Safety and Health (OSH)
Operations Management
Operations Research
Product Design and Development
Product Lifecycle Management
Production Planning and Management
Project Management / Program Management
Quality Control and Management
Reliability and Maintenance
Sensors and Sensing Systems
Service Systems and Service Management
Smart Mobility
Software Testing and Quality Assurance
Statistical Process Control
Statistics and Empirical Research
Supply Chain Management
Sustainability and Green Systems
Sustainable Manufacturing
Sustainable Production and Quality Management
Systems Dynamics
Systems Engineering

Technology Management
Total Quality Management
Transportation and Traffic
Work Design, Measurement and ISO

Special Tracks

Global Engineering Education (GEE)
Industry 4.0
Industry Solutions
Women in Industry & Academia (WIIA)
Panel Sessions on GEE, IndSol and WIIA

Competitions

Undergraduate Student Paper Competition
Graduate Student Paper Competition
Doctoral Dissertation Competition
Master Thesis Competition
Undergraduate STEM Research Competition
Senior Capstone Design Project Competition
High School & Middle School STEM Competition
Poster Competition
Simulation Competition
Lean Six Sigma Competition
Logistic Supply Chain Competition

Conference Chairs:

Dr. Muhammad Sohail Ahmed, Professor, Engineering Management, School of Engineering, Eastern Michigan University, Ypsilanti, MI, USA
Dr. Ahad Ali, Associate Professor and Director of Industrial Engineering Program, Lawrence Technological University, Southfield, MI, USA
Dr. Leslie Monplaisir, Professor and Chair, Department of Industrial and Manufacturing Engineering, Wayne State University, Detroit, MI, USA
Dr. Wilkistar Otieno, Associate Professor and Chair, Industrial & Manufacturing Engineering, University of Wisconsin-Milwaukee, USA

Industry Chairs

Steven Sibrel, Quality Manager, Harman / Becker, Novi, Michigan, USA and Professional Development Chair & Past Chair-ASQ Greater Detroit
Dr. Saso Krstovski, Lean Manufacturing Coach/Six Sigma Master Black Belt, Van Dyke Transmission Plant, Ford Motor Company, MI, USA

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